

TECHNICAL EXHIBIT 14
BUILDINGS OPERATING REQUIREMENTS
SUMMER/WINTER

Temperature guidelines for mechanical equipment start up and shut down schedule, in support of building management section operation.

Outside Air Temperature:

(Summer)		(Winter)	
55°F - 85°F	Normal	40°F - 55°F	Normal
85°F - 90°F	High	55°F - 62°F	High
40°F - 55°F	Low	25°F - 40°F	Low

Enterprise Computing Center - Normal hours of building ADP operation - 24 hours per day, 7 days per week. All available office space supply fans and associated equipment will be cycled off when space is unoccupied.

During summer months chill water systems supplying office areas will be fully operational between the hours of 07:00 am and 5:30 pm. Between the hours of 6:00 am and 5:00 pm these systems will be operated in a reset mode allowing for higher operating temperatures for areas supplied. Chill water system required for operations will be cycled as required by system heat load.

Temperature guideline for space cooling during normal working work hours in offices, lobbies, hallways, cafeteria, and similar spaces shall be no lower than 76°F - 80°F. No energy will be used to maintain office temperatures below 76°F.

The outside air temperature/humidity shall be monitored continually via Building Automation System which shall automatically modulate HVAC dampers in order to fully utilize free cooling whenever possible.

The Central Chilled Water plant shall be operated by microprocessor control with the chilled water discharge temperature being reset by return water temperature and the corresponding load calculations. Chilled water discharge/return temperatures shall be managed so as to maintain proper chiller loading differential. Discharge temperatures are allowed to rise as return temperatures fall. Heat Exchangers (Free Cooling) will replace chillers when a sustained outside temperature of 40° or below is reached.

Humidity levels shall be maintained at 45% +/- 5% RH in all Computer Room areas. Temperature levels shall be maintained at 72° +/- 2° in all Computer Room areas.

Temperature guidelines for space heating during normal working hours in office, lobbies, hallways, cafeteria, and similar spaces shall be no higher than 68°F - 70°F.

Hot water reheat systems will be controlled in zones by temperature sensors.

When the outside air temperature falls below 32°F, all necessary preparations will be made to winterize mechanical equipment subject to freezing weather.

All building humidification systems shall be automatically modulated to maintain 50% +/- 2% RH in all building areas required.